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ABSTRACT

This report summarizes research activities of the State Research Coordinating Units conducted under Section 131(b) of the Vocational Education Amendments of 1968 during the second half of fiscal year 1971 and includes a final analysis of the entire fiscal year. The purpose of the report is to facilitate exchange of information and reduce duplication of effort among the states by providing awareness of the research and development activities by other states. This is the third in a series of compilations of State Quarterly Research Activity Reports. The first two reports are available as ED 052 381 and ED 053 293. (Author/MF)

ED 067463

SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

JANUARY 1, 1971 - JUNE 30, 1971

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Elliot L. Richardson, Secretary

Office of Education
S. P. Marland, Jr., Commissioner

Bureau of Adult, Vocational, and Technical Education
Robert M. Worthington, Associate Commissioner

Division of Vocational and Technical Education
Michael Russo, Acting Director

VT016552

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FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of the Vocational Education Amendments of 1968. This report covers the second six months of fiscal year 1971, and includes a final analysis of the entire fiscal year. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

This Semiannual Report has been prepared by Marsha Golden of the Program Development and Operations Branch. This is the third in a series of reports on the activities of State RCU's. The first report was entitled Annual Report on State Research Coordinating Unit Activities for Fiscal Year 1970, and covered the period from July 1, 1969 to June 30, 1970. The second report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970. Copies of these previous reports can be obtained from the ERIC Document Reproduction Service under No. ED-052-381 and No. ED-053-293.

Michael Russo
Acting Director
Division of Vocational
and Technical Education

June 1972

GSA DC 73-141

INTRODUCTION

For fiscal year 1971, the States received $17.5 million under Section 131(b) of Part C of the Vocational Education Amendments of 1968. These funds could be used for paying up to 75 percent of the costs of the State Research Coordinating Unit (RCU) and for grants and contracts covering 90 percent of the costs of research and/or developmental projects. The minimum amount received was $23,000 by Alaska and the maximum was $1,389,000 by California. Over 75 percent of the States received more than $100,000 for research.

By the end of the fiscal year, only six States reported funding no new projects. Most States were very active in setting research priorities, inviting and reviewing proposals, and awarding grants and contracts. Approximately 20 percent of the $17.5 million was used to support the States' RCU's.

RCU activities covered a wide range, with the main function being administration of the State's R&D program -- both inhouse studies and contracted research -- and the dissemination of research findings to assist administrators, teachers and counselors, and teacher educators. Many RCU's have been operating extensive information retrieval and dissemination systems and others are in the process of developing such systems. Other RCU functions have included the performance of a good deal of Statewide evaluation, as well as evaluation for local districts. The RCU's have been assisting the States in planning efforts and, in some States, they coordinate the State-administered Exemplary Projects under Part D. Training of local researchers and assisting local district and university personnel in proposal development have been other RCU activities.

Research projects contracted by the States during fiscal year 1971 centered on seven main fields of interest: career education, the disadvantaged and handicapped, vocational guidance and counseling, evaluation of program effectiveness, program development in new and emerging occupational fields, improved instructional methods, and investigation of new and improved methods of educational administration. An encouraging trend is that of States picking up programs which have been developed through research projects supported by other States or by the Federal government.

The RCU's have been instrumental in many States in promoting and assisting adoption of practices and programs developed elsewhere. For example, Project VIEW, (Vocational Information on Education and Work) was originally developed under an Office of Education grant in California and now has spread to 23 States throughout the country. The "World of Construction" and "World of Manufacturing" exploratory career education programs designed for junior high students were

originally developed under U. S. Office of Education R&D grants at Ohio State University and are now in use in some local school districts in nearly every State. A project developed by the Illinois State RCU, "Computerized Vocational Information System," has served as a model for other computerized guidance systems being developed and has been implemented in various school districts throughout the country.

The types of projects and studies funded during fiscal year 1971, as well as final reports from projects funded during fiscal year 1970, indicate that the State research projects are providing important contributions to the research literature and are developing useful programs directed to the construction and validation of more effective instructional systems in vocational education. Fiscal year 1971 has seen the RCU's becoming mature administrative units firmly established as the R&D arm of the State vocational programs. The RCU's have been very responsive to national priorities, moving quickly to develop innovative projects and sponsoring studies in priority areas such as career education and education for the disadvantaged, thus relating national priorities to the particular needs of their State.

The report which follows is a compilation of State Quarterly Research Activity Reports covering the last two quarters of fiscal year 1971 which have been received from the States. Additional information on projects listed under the category of "new projects funded" may be located in the "Research Projects in Progress" section of Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), published quarterly by the ERIC Clearinghouse on Vocational and Technical Education. Final reports of the "projects completed" are abstracted in the monthly issues of Research in Education and/or in the quarterly issues of ARM.

A compilation of the activities reported for the first two quarters of fiscal year 1971 has been published as the Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970, and is available as ED 052 381 from the ERIC Document Reproduction Service. All reported research projects administered by the State educational agency were included in these reports, whether or not they were funded under Part C.

Summaries of

State Research Coordinating Unit

Quarterly Reports

for the period

January 1, 1971 - June 30, 1971

ALABAMA

T. L. Faulkner, State Director for Vocational Education

Richard A. Baker, RCU Director

PROJECTS COMPLETED:

1. "A Study to Re-define the Management Organization of the Vocational Division of the Alabama State Department of Education"

NEW PROJECTS FUNDED:

1. "Development of an Industrial Development Training Program for Alabama" (Harper, Cotton and Little, Inc.)

RESEARCH RELATED ACTIVITIES:

1. Employment opportunities for workers in sales and related occupations in Alabama
2. Employment opportunities and educational needs of Alabama farmers
3. Employment opportunities and job performance area of workers in agriculturally-related business and industries
4. Statistics for planning and programming vocational education programs in Alabama
5. Evaluation of local and State programs of vocational education
6. Development and implementation of a local and State followup system for vocational education program terminees

PROJECTS AND ACTIVITIES PLANNED:

1. A study to define computer requirements for vocational education in Alabama
2. Development and implementation of an industrial training program for Alabama

ALASKA

Louis D. Ridle, State Director for Vocational Education

Ernest E. Polley, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Alaska's Manpower Outlook - 70's" (Alaska Department of Labor Division of Research and Analysis)

2. "Critical Analysis of Economic Factors Affecting the Rural Native" (Alaska Methodist University)

RESEARCH RELATED ACTIVITIES:

1. Initiated planning through *CAMPS* to establish a manpower training program effectiveness measurement system

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of above projects

ARIZONA

J. R. Cullison, State Director for Vocational Education

Arthur M. Lee, RCU Director

PROJECTS COMPLETED:

1. "Development of a Cost Factor for Occupational Education" (Steven L. Barsby)

2. "Synthesis of Research in Vocational Education Cost Accounting/Cost Effectiveness" (Steven L. Barsby)

3. "Second Stage in Development of a Longitudinal Experimental Program in Pre-Vocational Career Oriented Education" (Joel Price)

NEW PROJECTS FUNDED:

1. "The Relationships Between Tasks Performed by Office Employees and by Office Education Students" (Terry Frame)

2. "Employer Survey of Vocational-Technical Education Graduates, Phase I"

3. "A Comparison of the Perception of the Cooperative Distributive and Office Education Programs in High Schools in the State of Arizona by Employers, Coordinators and Administrators" (Florence Elizabeth Soutter)

RESEARCH RELATED ACTIVITIES:

1. Completed evaluation of Arizona RCU Library and Dissemination System

2. Developed initial additions to student enrollment and followup system output from new forms

3. Wrote article for *AVA Journal* on Vocational Research Policy

4. Designed a career selection survey for 1971 vocational education students

5. Participated in development of State goals in vocational education for next year

6. Participated in Region IX review of vocational education programs in Arizona

7. Processed and reviewed research proposals

8. Developed proposal for a National study of career education for submission to *USOE*

9. Participated in feasibility study of private research institute for Arizona

10. Participated in proposal development

11. Attended various conferences and meetings

12. Wrote an article on Federal legislation affecting vocational education for the spring review of Arizona Vocational Association

13. Operated a library and dissemination system, including *"Query"* searches

PROJECTS AND ACTIVITIES PLANNED: NONE

ARKANSAS

J. Marion Adams, State Director for Vocational Education

Jack D. Nichols, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Arkansas Vocational Education Leadership Development Extern Program"

2. "Pilot Project for Office Simulation in Area Postsecondary Schools"

3. "Pilot Project for Office Simulation in Secondary Schools"

4. "Training Nurse's Aides to Become Licensed Practical Nurses in Isolated, Rural Hospitals"

5. "The Development of Vocational Orientation Packets for Use by Teachers in the Elementary School"

6. "Developing a Curriculum Guide for Use by Junior High Vocational Orientation Teachers and Field Testing the New Curriculum for Effectiveness during the 1971-72 School Year"

RESEARCH RELATED ACTIVITIES:

1. Initiated a Mini-Grant program for local action oriented research to improve vocational-technical education in Arkansas

2. Assisted with the planning and initiation of a long-range Statewide systematic approach to analyze the State's present and future professional personnel needs

3. Assisted in research proposal and program development

4. Disseminated research findings and related materials requested

5. Assisted in compiling and developing evaluation materials for disadvantaged adults

6. Collected, edited, compiled and stored pertinent vocational student data on magnetic tape for computer manipulations

7. Participated in an exemplary in-service conference regarding evaluation

8. Reviewed research proposals which have been submitted for possible funding

9. Developed Education Professions Development Act portion of the State Plan

PROJECTS AND ACTIVITIES PLANNED:

1. Compile data on private and public vocational training in Arkansas

2. Coordinate the efforts of receiving, reviewing and approving mini-grant proposals

3. Assist in ascertaining professional personnel development needs and establishing priorities

4. Revision and dissemination of Student Data Forms

CALIFORNIA

Wesley P. Smith, State Director for Vocational Education

James H. Crandall, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Work Experience Education Research for Accountability" (California State Polytechnic College)

2. "Youth Guidance Systems" (College Entrance Examination Board)

3. "Comparative Cost of Manpower Education" (University of California at Davis)

4. "An Experimental Research Project to Test a More Effective Means to Achieve Stated Work Experience Education Program Goals" (San Joaquin County Superintendent of Schools)

5. "The Ventura County Manpower Projection Model" (Ventura County Schools)

6. "Effectiveness of Occupational Training for Disadvantaged and Handicapped" (Napa County Schools)

7. "A Study of the VIEW System in California" (San Diego County Superintendent of Schools)

8. "A Field Study to Determine Characteristics of Most Successful Vocational Education Programs" (Napa College)

9. "A Research Project to Test a Coordinated Instruction Employment Counseling System Focusing on Student Adjustment to Work" (San Mateo Junior College District)

10. "A Study of Factors Associated with Willingness of Home Economics Teachers to Teach Wage-Earning Home Economics" (Fresno State College)

11. "An Instructional Assessment System for Vocational Education Programs" (Fresno County Schools)

12. "Vocational Information System Model" (California Community College)

13. "A Cost Analytic Model for Santa Barbara City College Day Credit Vocational and Non-Vocational Courses" (Santa Barbara City College)

14. "Feasibility Study and Task Analysis for Vocational Curriculum to Train Environmental Technicians" (Los Angeles City College)

15. "Performance and Attitude Guidance Selection Model for Vocational Training" (Southern California Regional Occupational Center)

16. "Research to Develop a Model Instructional Program in the Office Cluster of Business Occupations" (Pacific Grove Unified School District)

17. "An Evaluative Followup Study of Vocational Education and Training Programs for Disabled Disadvantaged Persons" (Staff Association of Rancho Los Amigos Hospital)

18. "Training in Management and Information Systems for Vocational Education in California Community Colleges" (San Diego Community College)

19. "An Approach to Quantitative Assessment of Present and Future Occupational Needs and Opportunities" (Santa Barbara County Schools Office)

20. "Evaluation Model Development for Marine Technology Programs" (San Diego Community College)

21. "Profiles of Community College Students in Career Programs for Use in Occupational Counseling" (California Community Colleges)

22. "Allied Health Professions Project Secondary Schools Pilot and Demonstration Project" (University of California at Los Angeles)

23. "Evaluation System Model for the Basic Functions of Vocational Education in California" (Sacramento County Office of Education)

24. "San Francisco Bay Area Experimental Education Needs Study" (West Valley Joint Community College District)

25. "Reflections of the Community: The Community Aide and Home Economics Education" (Kern Joint Union High School District)

26. "A Proposal for the Research and Evaluation of Followup Studies for High School Graduates Using Sampling Methods" (Santa Barbara County Schools)

27. "An Evaluation of a Staff--and Community--Implemented Model Integrating Career Development Concepts in a Total Educational Program, K-12" (Alameda County School Department)

28. "A Project to Develop a Cost/Benefit Model for Vocational Programs at the College of Alameda" (Peralta Joint Junior College District)

29. "A Model for Evaluating Vocational Education Programs for the Handicapped and Disadvantaged in the Community Colleges" (Foothill Community College District)

RESEARCH RELATED ACTIVITIES:

1. Maintenance of research information dissemination system, including microfiche reproduction and distribution

2. Establishment of research priorities for vocational education, utilizing a State survey and input from State vocational education leaders

3. Development of guidelines for reviewing research proposals

4. Assistance in revision of State Plan section on research and training

5. Coordination of research projects with training project administered under the Education Professions Development Act

6. Attendance at professional conferences

7. Administration of Part B small grant research projects

PROJECTS AND ACTIVITIES PLANNED: NONE

COLORADO

M. G. Linson, State Director for Vocational Education

Robert F. Barnes, RCU Director

NO REPORTS RECEIVED

CONNECTICUT

Joseph F. Murphy, State Director for Vocational Education

Herbert Righthand and Richard C. Wilson, RCU Co-Directors

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Development of Vocational Education Information System and Data Bank" (Connecticut State Data Center)

2. "Development of a Connecticut Vocational Education Directory and Statistical Report on Enrollment and Output of the Private Vocational Education Sector in Connecticut" (University Research Institute of Connecticut, Inc.)

RESEARCH RELATED ACTIVITIES:

1. Developed annual and long-range State Plan for Vocational Education

2. Assisted in the development of research proposals

3. Conferred with State Advisory Council in development of State Plan

4. Administered Part D Exemplary projects including proposal writing, development, review, approval and evaluation

5. Gathered statistical data from various sources for planning, reporting and evaluation purposes

6. Worked with *Office of Departmental Planning* in the coordination and completion of *PPBS* materials for the Division of Vocational Education

7. Served as member of Department of Education steering committee for the Belmont project

8. Prepared various research and statistical reports upon request of State Director and other State staff members

9. Disseminated research reports and miscellaneous releases and materials

10. Conferred with Labor Department and other State agencies in collecting manpower and demographic data for the State Plan

11. Participated in several meetings of the Inter-Bureau Committee on Guidance, State Department of Education

12. Attended *USOE* regional meeting in Boston on development of a national directory for vocational education

13. Attended *USOE* regional meeting in Boston on fiscal year 1971 reporting system

14. Worked closely with State Data Center in development of a vocational education data bank and reporting system

15. Developed procedures for pre-payment of exemplary programs

16. Staff members served on various departmental task forces for development of Management by Objectives

17. Attended RCU Directors' Annual Conference in San Diego

18. Met with representatives of the Connecticut Vocational Association to explain features of the *Connecticut State Plan for Vocational Education*

19. Participated in public hearing on State Plan

PROJECTS AND ACTIVITIES PLANNED:

1. Long-range followup study of vocational agriculture graduates

2. Study of the characteristics of vocational-technical school graduates

3. An experimental pre-vocational training program for autistic and brain-damaged children

DELAWARE

Daniel E. Koble, State Director for Vocational Education

Mildred H. Snowberger, RCU Director

PROJECTS COMPLETED:

1. "Manpower Study of the Wilmington SMSA Area"

2. "Evaluation of Teaching Through Utilization of Videotapes: Preservice and Inservice" (University of Delaware)

NEW PROJECTS FUNDED:

1. "Teaching Strategies for Careers English" (Delaware State Department of Public Instruction)

2. "Unified Arts Occupational Education Program" (Delaware State Department of Public Instruction)

RESEARCH RELATED ACTIVITIES:

1. Assistance in preparation of research proposals

2. Development of directory of proprietary schools offering vocational education

3. Revised guidelines for developing exemplary programs

4. Assisted in planning of summer institutes for career education in English, Art, Home Economics and Industrial Arts

5. Visited projects for year-end evaluation

6. Attended Regional Conference on Vocational Education

7. Assisted in State Plan preparation

DISTRICT OF COLUMBIA

Paul E. Cawein, State Director for Vocational Education

Mildred Cooper, RCU Director

NO REPORTS RECEIVED

FLORIDA

Carl W. Proehl, State Director for Vocational Education

Kenneth M. Eaddy, RCU Director

PROJECTS COMPLETED:

1. "Broward County Home Economics Curriculum Development Project" (Mary Ray)

NEW PROJECTS FUNDED:

1. "A Followup Study of the 1965-1966 High School Cooperative Distributive Education Students" (Leroy W. Buckner)

2. "A Planning Grant to Identify Mid-Management, Semi-Professional and Technical Personnel Needs and Employment Opportunities to Re-direct Training Programs" (Louis W. Bender)

3. "A Planning Grant to Develop an Exemplary Program Model in Orange County" (Robert S. Megow)

RESEARCH RELATED ACTIVITIES:

1. Attended numerous workshops and conferences

2. Participated in operation of exemplary projects

3. Conducted a research dissemination program, including use of the *"Query"* system

4. Reviewed proposals and assisted in their preparation

5. Developed materials to be used in a report of research and exemplary activities in Florida to be presented to a congressional committee hearing on vocational education legislation at the invitation of Representative Roman Pucinski

6. Attended legislative hearings and worked with legislators to improve vocational programs throughout the State

7. Worked with State Accreditation Committee on revision of standards

8. Participated in a cost analysis study of vocational education conducted by consultants from University of California at Los Angeles

9. Developed questionnaires and instruments to be used in a pilot followup study of vocational graduates

10. Prepared presentation on evaluation and criterion-referenced instruments for participants in an Employability Skills Workshop

11. Developed and submitted proposal to Office of Education entitled, "State Educational Information Center Improvement Proposal"

12. Developed the Florida component of a multi-State project entitled, "A Model Program to Instruct Manpower Training Personnel in the Selection and Application of Remedial Instructional Materials to Meet Individual Trainee Needs" funded by the U. S. Department of Labor

13. Assisted in developing a contract with Associated Consultants in Education, Inc. to determine vocational program cost categories to be used in determining Minimum Foundation Program funding formulas

PROJECTS AND ACTIVITIES PLANNED:

1. Continue establishment of a Statewide dissemination system

2. Continue development of a Statewide educational assessment model

3. Establish and implement a comprehensive, exemplary vocational education program at Wymore Vocational-Technical Center

GEORGIA

George W. Mulling, State Director for Vocational Education

Paul Scott, RCU Director

PROJECTS COMPLETED:

1. "A Program for Providing Vocational Education for Disadvantaged and Handicapped Students" (John R. Harris)

NEW PROJECTS FUNDED:

1. "Exemplary Program for the Disadvantaged and Handicapped" (Don F. Winters and Leon L. Barnes)

2 "Coordinated Arrangement for Retraining and Educating (CARE)" (Thomas Strealdorf and Elliott Harvard)

3. "Prevocational and Vocational Program for Handicapped and Disadvantaged Students of Thomas County" (Julian Cannon and J. J. Jones)

4. "Career Development Program for the Disadvantaged and Handicapped Students" (Merlin O. Powers)

5. "Program of Academic-Vocational Education for the Disadvantaged" (Warrent Caphton and Earl May)

6. "The Derthick Plan" (R. H. Derthick and Thomas E. Proctor)

7. "Coordinated Vocational and Academic Education Program for the Disadvantaged and Handicapped" (Doug Strickland and C. B. Davis, Jr.)

8. "Coordinated Vocational and Academic Education Program for the Disadvantaged and Handicapped" (Rex Cassidy and Ivan Bagby)

9. "Coordination of Academic and Vocational Education Experience for the Disadvantaged and Handicapped Student" (C. W. Daniels and Ormand Anderson)

10. "A Program for Recruiting and Training the Disadvantaged and Handicapped Student at Macon Area Vocational-Technical School" (Ben Brewton and W. R. Stewar)

11. "Coordinated Academic and Prevocational Program" (George Hardy)

12. "Experience Success Project" (L. L. Leverette)

13. "Educating the Disadvantaged for Greater Employment" (Harold Wynn)

14. "A Program to Provide Successful Experiences for Disadvantaged and Handicapped Students" (J. A. Harris and Homer Hefner)

15. "A Project to Improve, Supplement and Evaluate the Selection, Recruitment, Training, Placement and Followup of Disadvantaged Students in Savannah Area Vocational-Technical School (C. W. Coons and A. L. Pollock)

16. "A Consortium Trade and Technical Education Baccalaureate Degree Program; Continuation" (George O'Kelley, Paul Bowdoin, Clyde W. Hall)

17. "Concentrated Pre-Service, In-Service Preparation of First Year Trade, Technical and Health Occupation Teachers" (Paul Bowdoin)

18. "Institute to Prepare Coordinators for Programs for Educational and Career Exploration" (Emeliza Swain)

19. "Institute for Implementing an Instructional Program for Data Processing Personnel in State and Area Vocational-Technical Schools" (John M. Sheppard, Jr.)

20. "Institutes for Administrators to Plan for a Developmental Program for Vocational Education" (C. W. McGuffey)

21. "Preparing and Assisting Pre-Vocational Teachers in the Implementation of Career Development Programs" (Nevin R. Frantz, Jr.)

22. "Institute to Prepare Industrial Arts Teachers to Implement the Newly Developed Materials and Techniques which Integrate Career Development and Understanding of Industry in the Industrial Arts Program" (R. A. Nelson)

23. "A Training Program for Teachers and Other School Personnel Working with Disadvantaged and Handicapped Youth in Special Projects" (George O'Kelley, Jr.)

24. "Concentrated In-Service Program for State Staff" (Harold F. Holtz)

25. "An In-Service Training Program on Job Placement Procedures" (Grady L. Anderson and Richard J. Riordan)

26. "The Development of an Individualized Instructional System for Selected Multi-Occupational Programs in the Area Vocational High Schools in Georgia" (Nevin R. Frantz, Jr.)

27. "The Development of Five Mathematics Courses to be Used in Five Different Clusters in the Area Vocational High Schools of Georgia" (Kermit L. Bergstralh)

28. "The Development of an Individualized Instructional System for Five Selected Programs in the Area Vocational-Technical Schools of Georgia" (George O'Kelley)

29. "The Development and Implementation of a Core of Individualized Instructional Packages Providing a Marketing Option for Students Enrolled in Non-Marketing Programs in Postsecondary Area Vocational-Technical Schools" (Lester Sanders)

30. "Occupational Information Center for Education--Industry" (Beverley Johnson)

31. "To Implement in Eleven Schools, a Program of Career Development for the Elementary Student" (C. Paul Scott)

32. "Operation Guidance -- Product Engineering and Field Testing of a Model and Staff Development Material for Applying the Systems Approach to Career Guidance Program Development, Installation and Maintenance" (A. A. Dawson)

33. "Survey of Employment Opportunities, Career Ladders, and Training Requirements for Vocational Basic Job Clusters with Projections of Job Openings and Training Requirements to 1976" (John L. Fulmer)

34. "Developing and Piloting a Model Counseling Program for an Area Vocational-Technical School's Part-time Adult Students" (Ken Easom)

35. "Career Development for Disadvantaged and Handicapped Students" (E. B. Martin)

36. "Program for Disadvantaged and/or Handicapped Students" (H. M. Fulbright and Elton Stallings)

37. "Development of a Comprehensive Program of Vocational Education" (Tom Renfro, C. C. Crook and Ira Hicks)

38. "A Program for Providing Vocational Education for Disadvantaged and Handicapped Students" (Wesley Burkes)

39. "Comprehensive Vocational Program, Grades 7-12 for Waynesboro High School and Blakeney Junior High School" (James W. Smith and George W. Williams)

40. "Bed Rock - A Foundation Program" (H. A. Hutherson and George M. Pope)

41. "Sequential Developmental Vocational Program for Disadvantaged and Handicapped Students" (B. J. Bassett and George Weston)

42. "Special Short-Term Employability Improvement Program" (J. W. Reynolds and D. C. Hall)

43. "A Program to Serve the Disadvantaged and Handicapped Students at Walker County Area Vocational-Technical School" (R. Larry Little and Roy H. Darryberry)

44. "A Special Project for Providing a Program for Serving Disadvantaged and Handicapped Students Through the Use of Differentiated Staffing" (Derward Powell)

45. "Attract, Involve, Develop, Employ" (Travis E. Weatherley and R. H. Kilpatrick)

46. "S. T. E. P. (Student Training-Employment Program)" (A. Perry Gordy and W. G. Hartline)

47. "Albany Tech Special Services for the Handicapped and Disadvantaged" (Robert G. Crates and B. B. White)

48. "Exploratory Training and Employment Program" (E. G. McCants)

49. "Vocational Education" (Loyd C. Cox)

50. "Comprehensive Pre-Vocational and Vocational" (W. R. Bush and Robert D. Cox)

51. "Coordinated Vocational and Academic Education for the Disadvantaged and Handicapped Student" (Dean Brown and Jimmy D. White)

52. "Vocational Program for the Disadvantaged and Handicapped" (Norman Carter)

53. "Vocational Program for Meeting the Needs of the Disadvantaged and/or Handicapped Students" (W. Clark Britt and Clarence C. Howell)

54. "Coordinated Vocational Education Development Program" (Eugene F. Lail and O. T. Eaton)

55. "The Rockdale Plan to More Effectively Meet the Vocational Education, Career Exploration and Developmental Needs of Disadvantaged Youth" (S. Douglas Sharp)

56. "A Vocational and General Educational Program Designed Especially for Thirty Disadvantaged Jonesboro Junior and Senior High Students" (Travis Vaughn and Fred Smith)

57. "Forsyth County Sequential Career Educational Program for Disadvantaged" (L. D. Crawford and Clinton Kingsley)

58. "Development and Implementation of an Interlocked Vocational and Academic Curriculum for the Disadvantaged and Handicapped" (Tommy Guillebeau)

59. "Development of Coordinated Vocational and Academic Curriculum for the Disadvantaged and Handicapped" (John Burks)

60. "Establishing a *CVAE* Program for Disadvantaged Eighth Grade Students in Oglethorpe County High School" (Frank M. Giles and Bill J. Dawson)

61. "Vocational Education Program of Expansion" (Kenneth Kelly)

RESEARCH RELATED ACTIVITIES:

1. Attendance at conferences

PROJECTS AND ACTIVITIES PLANNED: NONE

HAWAII

Samson S. Shigetomi, State Director for Vocational Education

Sybil Kyi, RCU Director

PROJECTS COMPLETED:

1. "State Vocational Education Data System" (in-house)

2. "Handicapped Students Research Project" (Kapiolani Community College)

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Initial planning for the development of a new Vocational Data System for the Postsecondary Programs in order to utilize current data collection input in the Community Colleges and eliminate duplications

2. Continuing technical assistance for Community Occupational Surveys including the development of a third and the computerization of data summarization, sample inflation and occupational projection techniques

3. Updating and reclassification of the Vocational Education Master Course List at the postsecondary and adult education levels. The new classification scheme relates courses to *Office of Education* codes and contains modular course identification so that comparisons may be made between essentially equivalent courses among the Community Colleges.

PROJECTS AND ACTIVITIES PLANNED:

1. Scheduling and coordination of incremental completion objectives for implementation of the new Vocational Education Data System for the Postsecondary programs

2. Manual collection, summarization and analyses of apprenticeship, journeymen refresher training and other adult supplementary trainee types

3. Refinement of industry-occupation matrix models for occupational projection purposes

4. Publication of fiscal year 1970-71 Vocational Education Program Statistics

IDAHO

Roy D. Irons, State Director for Vocational Education

William R. Swenson, Assistant State Director for Vocational Education

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Orientation to Health Occupation" (Canyon-Owyhee School Service Agency)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

ILLINOIS

Sherwood Dees, State Director for Vocational Education

Robert Kent Gray, RCU Director

PROJECTS COMPLETED:

1. "A Research and Development Project in Occupational Education: The Development of Process Models for Decision-Making in Curriculum Development and Evaluation" (Joseph Borgen and Dwight Davis)

2. "Commercial Horticultural Skill-Practices Institute for Illinois Secondary and Junior College Agricultural Occupation Instructors: A Private Industry Approach" (Theodore Buila)

3. "System for Individualizing Vocational Education" (Thomas Koerner)

4. "Analysis of Surveys of Illinois Vocational Guidance" (Richard W. Bradley)

5. "Delinquency Intervention Program in the Carbondale Community High School - Phase III" (Richard Pooley)

6. "Joint Occupational Orientation Project: An Experimental Approach to Vocational Education" (E. A. Ebert)

7. "A Special Analysis of Vocational Education in the City of Chicago" (C. Joseph Ehrenberg)

8. "Metropolitan Programs in Applied Biological and Agricultural Occupations: A Need and Attitude Study"(Hollie Thomas)

9. "An Analysis of Secondary Area Vocational Centers in Illinois" (Edward Anderson and Wayne Zook)

10. "State Survey of Home Economics Programs in Illinois" (Dorothy Keenan)

11. "Development of Three Phase On-Site Evaluation Instruments" (T. L. Wentling)

12. "An Exemplary Program in Prosthetic-Orthotic Education" (Walter Komiak)

13. "An Exemplary Demonstration and Dissemination Center for Project *CVIS* " (JoAnn Harris)

14. "DeKalb Co. Pre-Vocational and Vocational Special Needs Varied Exemplary Project" (D. S. Hurd)

15. "Demonstration Center for a Comprehensive Home Economics Program in a Medium Sized High School" (Mary Beth Stine)

16. "West Central Hancock Co. Vocational Joint Agreement" (Gayle Nelson)

17. "Vocational-Technical Education -- Public Information Program" (D. Reid Ross)

NEW PROJECTS FUNDED:

1. "A Followup Study of Illinois Home Economics Job Training" (K. Howell)

2. "West Central Hancock County Vocational Education Joint Agreement" (Gayle Nelson)

3. "Development of a Systems Model(s) for the Collection, Processing Summarization and Comparison of Course Cost, Enrollment and Reimbursement Data at the Community College Level -- Phase I" (Chet Rzonca and R. M. Tomlinson)

4. "Vocational-Technical Education Public Information Program" (C. A. James)

5. "Development of Three Phase On-site Evaluation Instruments" (T. L. Wentling)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. "Nuclear Radiation Project Study" (Bill Baldwin and Art Baker)

2. "Illinois Occupational Curriculum Project" (D. Davies and (J. Borgen)

3. "Maximizing Human Resource Development in the Seven County Tier Region of Southern Illinois: An Occupational Planning Grant" (C. Cole)

INDIANA

H. Robert Hewlett, State Director for Vocational Education

Allan D. Goecker, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Curriculum Development and Computerized Evaluation in Vocational Education" (Don Pennington)

2. Mini-grants -- 21 projects of $1,300 or less

RESEARCH RELATED ACTIVITIES:

1. Conducted three area school feasibility studies

2. Accepted and reviewed applications for mini-grant research projects

3. Development of *VOCEDS* -- Data System for Vocational Education in Indiana

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of *VOCEDS* development

2. Continuation of unified curriculum project

IOWA

William Schuermann, State Director for Vocational Education

Kenneth Wold, RCU Director

PROJECTS COMPLETED:

1. "Effects of a Self-instructional Program of Training for Food Service Personnel" (Marjorie M. McKinley)

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Held three meetings of the State Advisory Committee for Research, Demonstration, and Exemplary Programs

2. Provided consultative assistance to four exemplary projects in progress and to individuals in regard to research projects

3. Coordinated preparation of State Plan for Career Education, FY 1972, Parts I, II and III

4. Developed a Manpower Needs Assessment Model composed of four parts

5. Participated in a conference and a workshop

PROJECTS AND ACTIVITIES PLANNED:

1. Review, approval and funding of research projects

2. Meeting with State Advisory Committee for Research, Demonstration, and Exemplary Programs

3. Gathering manpower needs and population information in connection with the Iowa Career Education planning-evaluation system

4. Dissemination of research findings and official publications

5. Providing consultative assistance with regard to research and exemplary proposals and projects

KANSAS

John E. Snyder, Assistant Commissioner for Vocational Education

John E. Snyder, RCU Director

PROJECTS COMPLETED:

1. "Vocational Education Activities in Kansas, 1968-1970" (Frank T. Jacobs)

NEW PROJECTS FUNDED:

1. "A Computerized Statewide Followup System which Utilizes Sampling as a Data Collection and Projection Technique" (Ken Hoffman)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

KENTUCKY

Carl F. Lamar, State Director for Vocational Education

Clayton P. Omvig, RCU Director

PROJECTS COMPLETED:

1. "Procedures and Techniques for Locally-Directed, State-Assisted Evaluation of Secondary and Postsecondary Programs of Vocational Education in the Central Kentucky Region" (Floyd L. McKinney)

2. "A Workshop on Determining Performance Objectives" (Alfred J. Manneback and Floyd L. McKinney)

3. "Proceedings and Followup ... Workshop on Evaluating *MDTA*" (Floyd L. McKinney and Alfred J. Manneback)

4. "Institute for Training Vocational Education Staff in the Systems Approach to Long-Range and Annual Planning" (Clayton P. Omvig)

NEW PROJECTS FUNDED:

1. "The Development and Implementation of An Integrated Career-Centered Curriculum for Elementary Grades One through Six" (Newport Independent School District)

2. "Systemwide *World of Work* Curriculum and Staff Development for Implementation in Grades One Through Twelve" (Otto A. Mattei)

RESEARCH RELATED ACTIVITIES:

1. Workshop for regional vocational education personnel on the use of Citizen's Advisory Committees

2. Monitoring Part D Exemplary Programs

3. Assistance in the planning and design of the State Advisory Council on Vocational Education's annual evaluation

4. Assisted in the preparation of a "Handbook on Local Planning"

5. Consultative assistance to the State Program of Vocational Education

PROJECTS AND ACTIVITIES PLANNED:

1. Supervision of Career Curriculum Projects and Exemplary Programs
2. Cost-effectiveness of vocational education programs, services, and activities
3. Continued assistance in program evaluation
4. Assist in developing an Occupational Education Information System
5. Consultative assistance to vocational educators on request
6. Information dissemination

LOUISIANA

Thomas S. Derveloy, State Director for Vocational Education

Paul B. Brown, RCU Director

PROJECTS COMPLETED:

1. "Survey of Space Utilization in Area Vocational-Technical Schools, Revised" (in-house)

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Research information dissemination system, including dissemination of monthly newsletter beginning in June
2. Review, development and recommendation of research proposals
3. Assisted in preparation of material for the State Plan
4. Attended and/or participated in meetings and conferences
5. Visited and observed classes in vocational-technical training at Sulphur High School

PROJECTS AND ACTIVITIES PLANNED: NONE

MAINE

Elwood A. Padham, State Director for Vocational Education

Elwood A. Padham, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "An Evaluation of the Effects of a Planned Occupational Exploration Program with Junior High School and Senior High School Students in a Rural Area"

2. "A Study to Determine the Effects of a Planned Vocational Guidance Program on the Knowledge, Aspirations, and Self-Image of Elementary School Children"

3. "Study of Adjustment Problems Young Workers Face in Making the Transition from School to Work as They Begin Their Occupational Careers"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

MARYLAND

James L. Reid, State Director for Vocational Education

Marinus A. Kip, RCU Director

NO REPORTS RECEIVED

MASSACHUSETTS

Charles Buzzell, State Director for Vocational Education

William G. Conroy, Jr., RCU Director

NO REPORTS RECEIVED

MICHIGAN

Jack Michie, State Director for Vocational Education

David Donovan, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Education Career Exploration System (ECES), a Feasibility Study of a Computerized Career Guidance System" (Alva E. Mallory)

RESEARCH RELATED ACTIVITIES:

1. Determined research priorities
2. Monitored exemplary projects
3. Assisted in Statewide solicitation of vocational research prospectuses; coordination of their review and recommendation to the State Board
4. Coordinated Vocational Education cost-analysis study under contract with Pennsylvania State University
5. Coordinated development of plan for comprehensive evaluation of Vocational Education special needs program and projects
6. Began development of in-service Vocational Education staff training

PROJECTS AND ACTIVITIES PLANNED:

1. Recommendation and negotiation of research projects
2. Implementation of special needs evaluation
3. Continue development of in-service training
4. Liaison with cost-analysis study

MINNESOTA

Robert P. Van Tries, State Director for Vocational Education

Jerome Moss, Jr. and Howard F. Nelson, RCU Co-Directors

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "An Individualized Approach to Training Licensed Practical Nurses" (Caroline Rosdahl)

2. "Area School Followup System" (David Pucel)

3. "Administration of Educational and Vocational Guidance Test in Minnesota Schools" (Dallis K. Perry)

4. "Evaluating and Computerizing Annual Local Plans" (Elvin Lund)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Curriculum articulation project: secondary vocational programs, post-high area vocational-technical programs

MISSISSIPPI

A. P. Fatherree, State Director for Vocational Education

James E. Wall, RCU Director

PROJECTS COMPLETED:

1. "Annual Report of the Mississippi Research Coordinating Unit for Vocational-Technical Education (FY 1970)" (James E. Wall and James F. Shill)

2. "Socio-Economic Characteristics of the Mississippi Choctaw Indians" (John H. Peterson, Jr.)

3. "Vocational Education Programs for Special Needs Students in Secondary Schools of Mississippi" (Allen T. Steed)

4. "Summary of a Study of Vocational Education Graduates: 1967-1969" (James E. Wall)

5. "Final Report Institute IV -- Expanding Vocational Education Curriculums to Meet the Needs of Disadvantaged Youth and Adults in Rural Areas" (James E. Wall)

6. "Quarterly Evaluation Reports on the Career-Centered Curriculum for Vocational Complexes in Mississippi" (James F. Shill)

7. "Programs for Students with Special Needs" (Allen T. Steed)

8. "Career-Centered Curriculum for Vocational Complexes in Mississippi: An Exemplary Program" (J. Harold McMinn and James F. Shill)

9. "Levels and Similarities of Instruction in Selected Content Areas of Vocational Education" (Jasper S. Lee)

NEW PROJECTS FUNDED:

1. "Development of a High School Vocational Curriculum for the Educable Mentally Retarded" (W. L. Plue)

2. "Factors Related to the Coordination and Effectiveness of Occupational Education Programs" (John T. Pelham)

3. "Structures and Procedures Needed to Assist Schools to Expand Business Education Programs" (R. F. Harwood)

4. "Development of a Core Curriculum for Agriculture and Agri-business on All Levels of Education" (O. L. Snowden)

5. "A Pilot Program for the Improvement of Instruction in Vocational-Technical Education" (Carl A. Moeller)

6. "A Program for Early Detection and Attitudinal Reorientation of Potential School Dropouts" (John D. Alcorn and Walter E. Cooper)

7. "Analysis of Exploratory Experiences and Other Educational Devices to be Utilized in Occupational Orientation Programs" (J. O. Culberson)

8. "A Study of the Vocational-Technical Training Needs in Mississippi, by Junior College Districts" (D. C. Williams, Jr.)

9. "Developing a Housing Education Curriculum for Tenants Who Move from Substandard Housing to Modern Rent Supplement or Public Housing Units" (Mary Ellen Pope)

10. "Implementing a Career-Centered Curriculum in the Public Schools of Mississippi" (J. H. McMinn and Ken Morris)

11. "The Vocational Agriculture Program As Viewed by Selected Groups in Mississippi" (R. Glenn Shoemake)

12. "Evaluation of the Career-Centered Curriculum for Vocational Complexes in Mississippi" (James F. Shill)

RESEARCH RELATED ACTIVITIES:

1. Institute for expanding vocational education curriculums to meet the needs of disadvantaged youth and adults in rural areas

2. Study of vocational education programs for special needs students in secondary schools in Mississippi

3. Socio-economic characteristics of the Mississippi Choctaw Indians

4. Mississippi's State Advisory Council's Evaluation Report on Vocational Education, Fiscal Year 1970

5. Summary of a study of vocational education graduates, 1967-1969

6. Career-centered curriculum for vocational complexes in Mississippi

7. Mississippi State Plan for Vocational Education Personnel Development

8. Levels and similarities of instruction in selected content areas of vocational education

PROJECTS AND ACTIVITIES PLANNED: NONE

MISSOURI

B. W. Robinson, State Director for Vocational Education

Glenn W. White, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. Eleven mini-grants of $700 or less

RESEARCH RELATED ACTIVITIES:

1. Conducting information retrieval and dissemination activities
2. Processed information as input to the reimbursement formula for vocational education programs
3. Participation in several planning and evaluation workshops
4. Participation in several workshops for writing behavioral objectives
5. Compiled information and wrote Part III of the Missouri State Plan for Vocational Education
6. Prepared fiscal year 1972 State Plan Supplement to the State Plan for Education Professions Development Act
7. Participated in the on-site evaluations for the Vocational Division
8. Developed and submitted a proposal for funds to plan an Occupational Training Information System for Missouri
9. Provided consultative assistance in project preparation

PROJECTS AND ACTIVITIES PLANNED:

1. Continued activities in information retrieval and dissemination
2. Review and approval of research projects
3. Complete Phase I in the development of a training information system

MONTANA

Benjamin Ulmer, State Director for Vocational Education

Robert Hammond, RCU Director

NO REPORTS RECEIVED

NEBRASKA

Glen H. Strain, State Director for Vocational Education

Elton Mendenhall, RCU Director

PROJECTS COMPLETED:

1. "Five State Salary Survey of Postsecondary Vocational Education" (Nebraska Technical College)

2. "Occupational Opportunities in Nebraska, 1971" (RCU)

3. "Skills, Abilities, and Understandings Needed by Office and Health Occupations Personnel" (RCU)

4. "Thayer County Vocational Needs Study"

NEW PROJECTS FUNDED:

1. "Statewide Computerized Model for Determining Occupational Opportunities in Nebraska, 1972 Report" (RCU)

2. "Assessment of Instructional Effectiveness of Nebraska Vocational-Technical School Education Offerings from 1965-1969" (Nebraska Vocational-Technical School at Milford)

3. "A Project to Develop a Series of Steps and Procedures for Assisting Local Education Leaders Develop the Competencies Needed to Construct an Occupational Education Curriculum" (ESU #6, Milford)

4. "Determining Vocational Education Needs Through an Analysis of Business and Industrial Enterprises Within the Twenty County Area Served by Central Nebraska Technical College" (Central Nebraska Technical College)
5. "The Meanings of Critical Vocational Education Concepts to Vocational Leaders" (University of Nebraska)

6. "Minimum Levels of Technical Competency Standards for Industrial Education Programs in Nebraska" (Kearney State College)

7. "Development of Instructional Materials for the Intensified Office Laboratory" (University of Nebraska)

RESEARCH RELATED ACTIVITIES:

1. Data gathering for Statewide model for occupational opportunities

2. Assistance in research proposal development

3. Review of proposals and monitoring of projects

4. Continued activity on developing, cataloging and functioning of the RCU Learning Resource Center for Technical-Vocational Education Documents

5. Coordinated Exemplary Projects

6. Preparation of RCU "Summary of Activities for 1965-1971"

7. Research and Exemplary sections prepared for the Nebraska State Plan

8. Assisted in research projects

9. Disseminated a "Five State Salary Survey" to states involved

PROJECTS AND ACTIVITIES PLANNED:

1. Revision of guidelines for research proposals

2. Updating master populations for the Occupational Opportunities Study for 1972

3. Stimulation of proposals for research and exemplary projects

4. Dissemination of 1971 Occupational Opportunities Study

5. Monitoring of research and exemplary project activity

6. Assistance in proposal writing

7. Reorganize administrative structure of RCU

NEVADA

R. Courtney Riley, State Director for Vocational Education

J. Clark Davis, RCU Director

NO REPORTS RECEIVED

NEW HAMPSHIRE

Neal D. Andrew, State Director for Vocational Education

Gloria Cooper, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Manchester, New Hampshire Regional Vocational Education Planning Project" (C. James Covis)

2. "Project Followup" (David Majercik)

3. "The Development of a Curriculum Model for Vocational Education" (Bertram V. Mills)

RESEARCH RELATED ACTIVITIES:

1. Development of self-evaluation instruments for use by research and exemplary projects

2. Helping exemplary projects define management by objectives in their proposals

3. Ran a "catalyst" workshop for proposal writing that was quite successful

4. Conducting evaluation of Con-Val High School Project *WOW (World of Work)* as third-party evaluator

5. Developed proposal for testing new curriculum model in vocational education

6. Organized faculty at NHVTC-Claremont and ran continuing workshop for them which included development of behavioral objectives

7. Started collection of data for end-of-year Federal reports on enrollment and teacher status

8. Participated in *CPIR* (Belmont) Project

9. Consulted with exemplary project directors and got them operational

PROJECTS AND ACTIVITIES PLANNED:

1. Organizing "thinking skills in curricula" workshop

2. Consulting with field personnel involved in exemplary projects in order to develop dissemination materials

3. More on self-evaluation instruments for projects

NEW JERSEY

Robert M. Worthington, State Director for Vocational Education

Harold R. Seltzer, RCU Director

PROJECTS COMPLETED:

1. "Governor Cahill's Career Development Project" (Camden Public Schools, New Brunswick Public Schools, Rahway Public Schools)

2. "Cooperative Industrial Education"

3. "An Investigation of the Effectiveness of a Design to Initiate Curriculum Change in Home Economics - Phase II" (Mary B. Kievit)

4. "Evaluation of Technology for Children in Governor Cahill's Career Development Project" (Elaine House)

5. "Planning and Program Implementation" (Wayne Township Public Schools)

6. "Business Opportunities and Skill Requirements Survey" (Lakewood Township Schools)

7. "Planning Curriculum" (Glassboro State College)

8. "A Study of the Status and Effectiveness of Cooperative Office Education in New Jersey 1968-69" (Carmela C. Kingston)

9. "A Study of the Office Employment Expectations of White and Non-White Business Education Students" (Lehigh University)

10. "Incidence of Geographic and Occupational Mobility Among Certified Electronic Technicians in the Middle Atlantic States" (Rutgers University)

11. "The Use of Silent Single Concept Loop Films to Facilitate the Acquisition of Occupational Skills" (Rutgers University)

NEW PROJECTS FUNDED:

1. "New Jersey Vocational Education Planning System Project" (Government Studies and Systems, Inc.)

2. "Master Plan for Vocational-Technical Education in Camden County" (Camden County Community College)

RESEARCH RELATED ACTIVITIES:

1. Recommended 18 curriculum projects for development and prepared promotional newspaper articles on the curriculum developers selected

2. Gave guidance and supervision to both State and locally sponsored curriculum developers at the Camden County satellite laboratory

3. Conducted a study of credit award practices in area vocational-technical schools

4. Conducted a study of credit award practices in vocational subject areas in New Jersey high schools

5. Prepared ground work for the issuance of a newsletter on curriculum development

6. Compiled A New Jersey Statistical Handbook for Vocational Education

7. Compiled a directory of vocational education programs and services

8. Prepared a special paper on evaluation to clarify some basic issues in educational evaluation

9. Designed "A Four-Step Self-Evaluation Guide for Vocational-Technical Programs"

10. Compiled "A Directory of Vocational Training Opportunities"

11. Began planning of a system for evaluating vocational education by occupational field

12. Began the development of a research resource center equipped with the latest in resource materials

13. Published Current Research and Discussion in Vocational Education, a keyword index of important articles in the field of vocational-technical education

14. Published Feedback, a quarterly newsletter

15. Published "Strategic Planning: New Jersey's Vocational Education Strategic Planning System: An Overview"

16. Participated in review, development and evaluation of research proposals

PROJECTS AND ACTIVITIES PLANNED: NONE

NEW MEXICO

Ernest A. Vigil, State Director for Vocational Education

Hilda Majors, RCU Director

PROJECTS COMPLETED:

1. "A 'Self Help' Program in Industrial Metals" (Sandia High School)

2. "Development of a Room Thermostat Training Board for Teaching the Principles of Temperature Controls to Air Conditioning and Refrigeration Students" (Eastern New Mexico University)

3. "A Distributive Education Program in Miniature"

4. "Assessment of Vocational-Technical and Adult Education in New Mexico"

5. "A Look at Vocational Education in New Mexico -- 1970"

6. "Engineering Technology Curriculum" (Los Alamos High School)

7. "Development of Illustrative Visual Aids for Teaching Drafting Principles to the Slow Learner" (Eastern New Mexico University)

8. "Establishing and Improving Verbal Communications with the Hospitalized Spanish Speaking Patient" (Robertson High School)

NEW PROJECTS FUNDED:

1. Mini-grant projects (32)

2. "A Study of the Vocational Education of Handicapped Persons in Horticulture" (Alan B. Stevens)

3. "Simulation as a Feedback Mechanism in Training Engineering Draftsmen" (David M. Altus)

4. "Updating Occupational Needs Study for Vocational and Technical Education in Dona Ana County" (Everett D. Edington)

5. "Updating Master Plan for the Development of Vocational-Technical Education in New Mexico" (Joel Price)

6. "A State System for Gathering of Statistical Data and Evaluation Information Pertaining to Vocational-Technical and Adult Education" (James Hole)

RESEARCH RELATED ACTIVITIES:

1. Attended several meetings and workshops

2. Monitored research projects

3. Made survey of new programs for fiscal year 1972-73

4. Made a survey for annual report statistics

PROJECTS AND ACTIVITIES PLANNED:

1. Updating Master Plan for Vocational Education

2. Data processing proposal

3. Federation of Rocky Mountain States proposal

4. Evaluation of exemplary programs

5. Publish New Mexico Vocational News

NEW YORK

Robert S. Seckendorf, State Director for Vocational Education

Louis A. Cohen, RCU Director

NO REPORTS RECEIVED

NORTH CAROLINA

Charles J. Law, Jr., State Director for Vocational Education

W. J. Brown, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Establishment of an Information Center at Forsyth Technical Institute to Design a System for Collecting and Processing Manpower Information at the Local Level" (North Carolina Department of Community Colleges)

2. "Computer Services Systems Development to Coordinate Manpower Needs with Occupational Training Programs" (Lenoir Community College)

3. "Development of a System to Measure Effectiveness of Occupational Training Programs" (Davidson County Community College)

4. "Research and Development of the Veitch Diagram Demonstrator for Use in Teaching Boolean Algebra" (Richmond Technical Institute)

5. "Restructured Registration and Instructional Options" (Beaufort County Technical Institute)

6. "Development of a Research Instrument Which Can Assess the Occupational and Educational Status of Former Occupational Enrollees of North Carolina Community Colleges and Technical Institutes" (Guilford Technical Institute)

7. "Drafting Instruction by Audio-Visual Means" (Richmond Technical Institute)

8. "Predictive Models for Success in Occupational Education" (Wayne Community College)

9. "Occupational Education Salvage: The Identification, Location, and Personal Guidance of Disadvantaged Students in Moore and Hoke Counties into Meaningful Careers" (Sandhills Community College)

10. "Summer Institute for High School Students: A Research Project in Pre-vocational Education" (Pitt Technical Institute)

11. "Improvement of Articulation Between Pamlico County Public School System and Pamlico Technical Institute" (Pamlico Technical Institute)

12. "A Developmental Research Plan for Occupational Education Programs -- Attitude Assessment" (Southeastern Community College)

13. "The Design and Development of an Occupational Training Center for Disadvantaged and Handicapped" (Halifax County Technical Institute)

14. "The Identification of Competencies and Performance Standards Associated with Women's Occupations in the Textile and Furniture Industries"

15. "The Development and Implementation of an Individually Scheduled Cluster Curriculum in Occupational Education"

16. "The Development and Demonstration of Expanded Occupational Education Experiences for Youth in Small Rural Schools"

17. "A Career Progression Study of Occupational Education Graduates" (Occupational Research Unit)

18. "Preparation of High School Seniors as Teacher Aides"

19. "An Analysis of Factors Associated with Varying Dropout Rates" (Occupational Research Unit)

20. "Projecting Manpower Needs for Occupational Education Program Graduates"

21. "Evaluation of Carolina Boys Camp" (Learning Institute of North Carolina)

RESEARCH RELATED ACTIVITIES:

1. Study of "Articulation Between North Carolina's Public System of Elementary and Secondary Schools and Public System of Technical Institutes and Community Colleges"

2. Development of a computer-assisted status reporting system for North Carolina's system of elementary and secondary occupational programs

3. Continuing evaluation of the "Middle Grades Occupational Exploration Program" involving 43 pilot projects and approximately 40,000 students

4. Assisted in developing and evaluating Exemplary Projects

5. Development of a model followup system for a local education agency

PROJECTS AND ACTIVITIES PLANNED: NONE

NORTH DAKOTA

Carrol E. Burchinal, State Director for Vocational Education

Ben Doutt, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Identification of Common Content in Courses Offered by Various Vocational Services at the Secondary Level" (Patricia D. Murphy)

2. "Research and Development Proposal for Farm Management Education Record Analysis Systems Research and Development" (Donald W. Priebe)

3. "A Proposal for Skill and Objective Identification in Vocational Education which will Enhance Educational Accountability through a Planned-Program-Budgeting-Evaluation System (PPBES)" (Harold C. Gulbrandson)

4. "Development of New Vocational Education Curricula for New Careers and Occupations in North Dakota in the Field of Environmental Science Technology" (Harold Bruschwein)

RESEARCH RELATED ACTIVITIES:

1. A new RCU Advisory Committee was organized and the first meeting held

2. Preparation of the State-Wide Employers Survey for computer processing

3. Preliminary drafts of questionnaires to be used for 1,3, and 5 year followup studies of vocational students were prepared

PROJECTS AND ACTIVITIES PLANNED:

1. Store data from State-Wide Employers Survey on computer and determine methodology to be used for continuous updating of information

2. Expand information dissemination activities

3. Finalize student followup questionnaires

OHIO

Byrl R. Shoemaker, State Director for Vocational Education

C. O. Tower, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Project 71" (James F. Kaserman)

2. "Developing Necessary Reading Skills of Vocational Youth" (Robert W. Zimpfer)

3. "Creating Vocational Teaching Methods Based on Student Motivational Forces" (Franklin D. Halley)

4. "Development and Dissemination of Courses of Study and Instructional Materials for Environmental Science and Protection Programs" (Harlan E. Ridenour)

5. "A Research Study in the Development of Effective Means of Altering the Attitudes of Elementary School Teachers Towards Vocational Education" (Nicholas P. Georgiady)

6. "Community Vocational Resources Workshop" (Thomas F. Webb)

7. "Evaluative Planning Research Project in Vocational Education for Ohio Division of Correction Institutions" (Frank E. Fortkamp)

8. "Participation in Continuing Vocational Education Programs by Young Adults" (Lawrence Looby)

9. "The Impact of a Career Orientation Program upon Junior High School Students in Cincinnati, Ohio" (Ralph Smith)

10. "A Proposal for the Evaluation of Career Exploration Programs" (John Cochran)

11. "Evaluation and Validation Instruments to Facilitate Program Review for Improvement, Development and Expansion of Vocational Education" (R. M. Reese)

12. "The Role of Vocational Education in Improving Skills and Earnings Capacity in the State of Ohio: A Cost-Benefit Study" (Steve Pejovick)

13. "The Preparation of Personnel to Teach Technology and Attitudes Towards the World of Work to Disadvantaged Elementary Children" (Dennis L. Ulrich)

14. Eighteen Pilot Studies of Secondary Vocational Education Program Costs in various school districts (Local school district personnel)

15. Twenty-one Pilot Studies in Long Range Product Review of Secondary Vocational Education Graduates (Local school district personnel)

RESEARCH RELATED ACTIVITIES:

1. Continued implementation of Program Review for Improvement, Development and Expansion of Vocational Education in Ohio (PRIDE)

2. Prepared followup of enrollees in preparatory vocational education programs by U.S.O.E. taxonomy format by secondary and postsecondary study

3. Prepared answers to questions from school districts forming joint vocational school districts

4. Maintained document library and ERIC service

5. Assisted in preparation of research and exemplary project proposals

6. Attended numerous meetings, seminars, workshops and conferences

7. Maintained data retrieval and storage system

PROJECTS AND ACTIVITIES PLANNED: NONE

OKLAHOMA

Francis T. Tuttle, State Director for Vocational Education

William D. Frazier, RCU Director

NO REPORTS RECEIVED

OREGON

Leonard Kunzman, State Director for Vocational Education

Daniel B. Dunham, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Formed Ad-Hoc Advisory Committee for Applied Research in Career Education
2. Developed research priorities and invited and reviewed proposals
3. Assisted in proposal development
4. Contracted for a study of information dissemination systems

PROJECTS AND ACTIVITIES PLANNED: NONE

PENNSYLVANIA

John W. Struck, State Director for Vocational Education

Ferman B. Moody, RCU Director

PROJECTS COMPLETED:

1. "Project SET (Select Employment Trainee)" (John Pardini)

2. "Development Project Training Liaison Personnel for Program Implementation in the Areas of Special Education and Vocational Education in Urban Public Schools" (Robert Rolnidi)

3. "Pennsylvania Vocational-Technical Education Information Dissemination System" (Joseph Blake)

4. "Shorthand Attrition Research Proposal--A Study to Identify the Characteristics of Students Who May be Unsuccessful in the Study of Shorthand" (Elizabeth Ripka)

5. "A Study to Determine the Effectiveness of the Laboratory Technician Program in Placing Students in This or Any Related Paraprofessional Health Field" (Robert Easley)

NEW PROJECTS FUNDED:

1. "Practical Nursing Licensing Exam Achievement Relationship to Work Performance and Retention" (Raymond W. Clugh)

2. "Project GIVE" (William H. Culp)

3. "The Status of Future Business Leaders of America Chapter Activities in the State of Pennsylvania - 1967-1970" (Alma Doris Nagle)

4. "A Model Program to Improve the Classroom Instruction, Reading Ability and Utilization of Instructional Materials of Selected Vocational and Technical Students" (Joseph E. Mahony)

5. "An Educational Application of Queueing Theory" (Frank S. Davis)

6. "Development and Preparation of Chemical Technology Course Manual Volume I" (Robert B. Stewart)

7. "Cooperative Program for Disadvantaged Youth" (Marvin Hirshfield)

8. "Slides as a Visual Supplement to the Carpentry Curriculum" (Jesse S. Bounds)

9. "An Assessment of the Adequacy of Vocational, Technical and Industrial Education Programs in Secondary Schools of Pennsylvania in Meeting Dropout Student's Needs" (Robert D. Klinger)

10. "Education in Agriculture for the Educationally Disadvantaged" (Samuel M. Curtis)

11. "A Longitudinal Study of Vocational Development and Program Evaluation: Implications for Curriculum Planning and Vocational Guidance" (Joseph T. Impellitteri)

12. "Milk Marketing Instructional Unit Development and Dissemination" (Samuel Curtis)

13. "Revision of the Previously Implemented Curriculum Designed for Teaching the Service Occupations in the Penn Hills School District Vocational Department" (Arthur Kelley)

14. "Orientation to Research: An Institute for Vocational Education Teachers" (Ernest Peters)

15. "Supervised Independent Study Program" (James Ross)

16. "Development of Modular Courses in Vocational Curriculum" (Carl Everett)

17. "The Development of Selection Models for Pennsylvania Area Vocational-Technical Schools -- Phase I, the Uses of Available Data" (Edwin Herr)

18. "Development of a Validated Instructional System for Hospitality Education" (Thomas Powers)

19. "Orientation and Implementation of Basic Skills Affiliated with Trade and Industrial Careers" (Paul Wensko)

20. "G.A.T.B. Testing for Vocational Placement into Vocational Education Courses"

21. "A Functional Approach to the Study of English for the Auto Shop Student" (Edwin Riebel)

22. "A Laboratory and Curriculum Design for the Newly Emerging Technology of Pollution-Corrosion Measurement and Control" (Bryan Fluck)

23. "A Program to Train Workers in the Production, Harvesting, Processing and Marketing of the Woodland Crop and the Manufacturing of Paper from the Crop" (Thomas Taylor)

24. "Development of Occupational Information Materials for Spanish-Speaking Children" (James Adams)

25. "Troubleshooting Instruction in Vocational-Technical Education Via Dynamic Simulation" (Pennsylvania State University)

RESEARCH RELATED ACTIVITIES:

1. Identified the number of vocational education graduates in Pennsylvania for the fiscal year 1970-71 and placed the data on computer tape for accession

2. Providing a vocational-technical education research communications network in Pennsylvania

3. Published the RCU Reporter

4. Made preliminary plans to implement the systems planning model developed in the Arnold Study

5. Provided literature searches and disseminated the results of research to vocational educators

6. Provided consultative research services to vocational educators and monitored ongoing research projects

7. Participated in conferences, meetings and inservice training seminars designed to enhance the quality of vocational education

8. Cooperated with various State and local agencies in the development of pertinent career education research

9. Conducted a study to determine the net effect of migration on the State and counties

10. Operating an effective vocational information dissemination system (VEIN)

11. Developed research on selection criteria used by vocational-technical schools in Pennsylvania

PROJECTS AND ACTIVITIES PLANNED:

1. Identify and establish research priorities

2. Screen and review research and related proposals and provide grants to colleges, universities and local educational agencies

3. Provide mini-grants to graduate students and teachers and assist them in the conduct of research studies

4. Conduct research training workshops designed to sharpen the research skills of vocational educators

5. Implement the systems planning model for vocational education that was developed in the Arnold Study

6. Initiate a comprehensive study of private vocational and technical schools in Pennsylvania

7. Publish the "Pennsylvania Abstracts of Research and Related Materials (PARM)"

8. Continue to publish the RCU Reporter

9. Participate with the ERIC Clearinghouse for Vocational-Technical Education Input and Output

10. Prepare interpretative briefs of completed research

11. Prepare news releases of significant research findings and implications

12. Cooperate with other States in the conduct of relevant occupational education research

13. Continue to monitor ongoing research and related projects

14. Develop a plan for implementation of modular scheduling demonstration project

15. Update the data bank on vocational education graduates in Pennsylvania for fiscal year 1971-72

RHODE ISLAND

Peter Bowen, State Director for Vocational Education

Orrin LaFerte, RCU Director

NO REPORTS RECEIVED

SOUTH CAROLINA

Cecil H. Johnson, Jr., State Director for Vocational Education

John H. Rodgers, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Occupational opportunities and vocational programs for Sumter County, South Carolina

2. Preparation of VIEW materials

3. Progress Report -- Identification of Potential Dropouts in the Public Schools of South Carolina

4. Followup of students included in dropout study

5. Project proposal for 20,000 high school students involved in discriminant analysis to determine criteria for identifying potential dropouts

6. Evaluation of Project VIEW

7. Occupational opportunities and vocational programs for Cherokee County, South Carolina

PROJECTS AND ACTIVITIES PLANNED:

1. RCU will be moved to State Department of Education, Columbia, South Carolina

SOUTH DAKOTA

E. B. Oleson, State Director for Vocational Education

E. B. Oleson, RCU Director

PROJECTS COMPLETED:

1. "Project I (Labor Force Analysis)" (William Bergman)

NEW PROJECTS FUNDED:

1. "Project II (Manpower Information Retrieval System)" (William Bergman)

2. "Project III - Study to Evaluate the Utilization of Licensed Practical Nurses as Assistants to the Instructors at the School of Practical Nursing in Sioux Falls" (Sioux Falls Independent School District)

3. "Project IV (Vocational Education and Manpower Study)" (William Bergman)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

TENNESSEE

W. M. Harrison, State Director for Vocational Education

Garry R. Bice, RCU Director

PROJECTS COMPLETED:

1. "A Study of the Vocational Education Needs of Hancock County, Tennessee" (Clinch-Powell Educational Cooperative)

2. "A Study of the Vocational Education Needs of Claiborne County, Tennessee" (Clinch-Powell Educational Cooperative)

3. "A Cost Analysis Study of Vocational-Technical Education Programs in Tennessee" (University of Tennessee)

4. "Survey of Special Education Needs in Claiborne and Union Counties" (Clinch-Powell Educational Cooperative)

5. "An Analysis of Summer Programs for Disadvantaged Students-Summer 1970" (RCU inhouse)

NEW PROJECTS FUNDED:

1. "The Status and Image of Vocational and Technical Education in Tennessee" (A joint study with the State Advisory Council)

2. "The Development of a Management Information System for Vocational-Technical Education" (A cooperative effort with the State Division of Vocational-Technical Education)

3. "The Qualities of an Effective Pre-Vocational Business Education Teacher" (Department of Business Education)

4. "Guidelines for Community Occupational Surveys in Vocational Education" (University of Tennessee)

5. "The Relationship Between Related Work Experience and Teaching Effectiveness of Vocational Office Education Teachers" (Department of Business Education)

6. "A Comparison of Different Patterns of Occupational per' e Programs in Secondary Schools" (Department of Agric al Education)

7. "The Development of a Directory of Public and Private Vocational-Technical Programs in the State of Tennessee" (RCU)

8. "A Pilot Project to Improve the Vocabulary of Technology Students" (Jackson State Community College)

9. "The Development of Curriculum for Business and Office Occupations: K-14" (A joint effort of the RCU, Area Vocational School personnel, and secondary school personnel)

10. "The Development of Curriculum for the Auto Services: K-14" (A joint effort of the RCU, Area Vocational School personnel, and secondary school personnel)

RESEARCH RELATED ACTIVITIES:

1. Published "RCU Circulator"

2. Provided consultant services to various institutions and agencies

3. Attended various conferences and gave talks and presentations

4. An inservice training program for the directors of the 13 regional resource centers, in the RCU dissemination network, was conducted at the RCU facility

5. The East Tennessee Regional Research Office was established and became operational. This office was established to provide more individual service to local teachers, administrators, and others

6. A followup study of users of the RCU facility and "Query" search program was completed

7. Two staff members assisted with the development of the Tennessee State Plan for Vocational-Technical Education

8. Phase I of the Pilot Program for Local Evaluations of Vocational-Technical Education was completed

9. Staff members coordinated the development of a proposal for a Statewide Curriculum Coordinating Unit

10. A staff member began the development of "A Model for Curriculum Development in Tennessee"

11. Several staff members continue to refine and develop the computer retrieval system to speed the dissemination of information in the ERIC system

12. Staff members completed manual and "Query" searches of ERIC for personnel from California, West Virginia, and Florida

13. The RCU developed materials to be used in testimony before Congress (for State Director's use)

14. An invitational conference on curriculum development was conducted

15. Assistance was provided to exemplary programs

PROJECTS AND ACTIVITIES PLANNED: NONE

TEXAS

John R. Guemple, State Director for Vocational Education

Ray Barber, RCU Director

PROJECTS COMPLETED:

1. "Development of a Training Program for the Mentally Retarded in the Areas of Food Preparation and Service" (Texas Tech University)

2. "Planning the Development of a Business Education Learning System" (Texas Tech University)

3. "Planning the Implementation and Coordination of a Statewide Educational Television and Informational Retrieval System for Texas" (Central Texas College)

4. "A Study of Texas Junior College Drafting Technology Curricula with Implications for a Planning Guide" (Texas A&M University)

5. "Career Education - Project Care" (Central Texas College)

6. "Development of a Career Concepts Instructional Package for Grades One through Eight" (Region XIII Education Service Center)

NEW PROJECTS FUNDED:

1. "An Employment Analysis of Deaf Workers in Texas" (Texas School for the Deaf)

2. "Proposed Curriculum and Training Procedure Revisions in Vocational Nurse Education" (South Plains College)

3. "A Study of Nondestructive Testing and Inspection Processes Used in Industry with Implications for Program Planning in the Junior Colleges of Texas"

4. "The Production of a Documentary Film of Windham School District" (Texas Department of Corrections)

RESEARCH RELATED ACTIVITIES:

1. Review and evaluation of research proposals

2. Preparation and publication of Texas State Plan for Vocational Education for fiscal year 1972

3. Published and disseminated revised guidelines for preparation of research proposals

4. Coordination of exemplary projects and development and coordination of pilot-demonstration projects in occupational education for the handicapped students

5. Initial preparations were made for the implementation of new procedures for collecting, synthesizing and tabulating the data required for preparation of the Annual Vocational Education Report for fiscal year 1971

6. Participation in meetings regarding problem of inadequate manpower data for occupational program planning purposes

PROJECTS AND ACTIVITIES PLANNED:

1. Funding of research proposals

UTAH

Vaughn L. Hall, State Director for Vocational Education

John F. Stephens, RCU Director

PROJECTS COMPLETED:

1. "Experimental Occupational Information Dissemination Program" (Larry Peterson)

2. "Stationary Utilization of Mobile Guidance (MACE) Materials and Equipment" (Sam Gordon)

3. "Preliminary Study of Correelation of Years Schooling and Lifetime Earnings" (Norm Hyatt)

4. "Overhead Cost Study for Vocational Education Programs in Utah Secondary and Postsecondary Schools" (Robert Wininger)

5. "Evaluation of Project SUCCESS" (Richard Keene)

6. "Development of Millard School District 12th Grade Co-op Program" (Talmage Taylor)

7. "Mobile Assisted Career Exploration (MACE)" (Michael Bertoch)

8. "Followup 1969-70" (G. Warren Gaddis)

9. "Development of Utah State Plan for Vocational Education, Fiscal Year 1972" (John F. Stephens)

10. "Regional Rural School Proposal Development" (Jefferson Eastmond)

11. "Evaluation of Home Economics Teacher Education Curriculum" (Carmen Ptacek)

12. "Preliminary Study for the Development of a Postsecondary Curriculum for Anesthesia Technicians" (Richard Blatnick)

13. "Study to Identify Sources of Influences on Secondary Students' Plans for Post-Graduation Activities" (Edward Soper)

14. "Test of Advisory Committees Model" (Loren Martin)

15. "Evaluation of Industrial Liaison Position" (Richard Keene)

NEW PROJECTS FUNDED:

1. "Detailed Analysis of Selected Followup Data" (Allan Oleole)

2. "Evaluation of Over-the-Shoulder" (Edward L. Soper)

3. "Evaluation of American Industry" (Edward L. Soper)

4. "Evaluation of Millard 12th Grade Cooperative" (Edward L. Soper)

5. "Industrial Visitation Sites Study" (Wayne Goates)

6. "Development and Evaluation of a Davis District Auto Salvage Program" (Clinton Zollinger and Austin Loveless)

7. "Evaluation of Simulation Programs in Office Occupations" (Frank E. Nelson)

8. "Study to Identify Sources of Influences on Secondary Students' Plans for Post-Graduation Activities" (Edward Soper)

9. "Test of Advisory Committees Model" (Loren Martin)

10. "Study of Relevance, Effectiveness of Secondary Bookkeeping Programs" (Faun Chidester)

11. "Detailed Study of Correlation of Years of Schooling and Lifetime Earnings" (Norman Hyatt)

12. "Evaluation of Achievement of Objectives Proposed in Utah State Plan for Vocational Education" (Austin Loveless)

RESEARCH RELATED ACTIVITIES:

1. Attended various conferences and workshops

PROJECTS AND ACTIVITIES PLANNED:

1. Bonneville High School T & I Program Evaluation

2. Assessment of Utilization of One-Year Class Typing Skills for Employment

3. Study to Determine if Post-High School Vocational-Technical Institutions are Accepting Students from High Schools on Achievement Levels

4. Evaluation of VIEW Guidance Materials

5. Detailed analysis of trends in Utah Vocational Education, FY 1966-71

VERMONT

Cola D. Watson, State Director for Vocational Education

Joseph P. Kisko, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Career Development Patterns of Vocational Pupils Graduating or Leaving Schools 1967, 1968, 1969, 1970" (Gerald R. Fuller)

2. "The Development of Materials for Recruiting and Screening Prospective Students into Selected Pre-Service Vocational Teacher Education Programs" (Marilyn Osborn)

RESEARCH RELATED ACTIVITIES:

1. Requesting proposals for research projects listed in Vermont State Plan for Vocational-Technical Education FY 1972

PROJECTS AND ACTIVITIES PLANNED: NONE

VIRGINIA

George L. Sandvig, State Director for Vocational Education

George S. Orr, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "An Evaluation System for Vocational Education in Virginia" (Virginia Polytechnic Institute and State University)

2. "Testing of Model for Evaluation of Secondary Programs of Vocational Education in Agriculture"

3. "Development and Evaluation of a Program Designed to Teach Consumer Education to High School Home Economics Teachers, Using Closed Circuit Television as the Transmission Medium"

4. "Proposal for a Pilot Informational Diffusion/Utilization Model Seminar for Distributive Education Teacher Coordinators" (Virginia Polytechnic Institute and State University)

5. "Development of an Instructional Resources Center for Distributive Education in Virginia" (Virginia Commonwealth University)

6. "Development of a Computerized System to Serve the Vocational Education Program of Loudoun County" (Loudoun County)

7. "Research and Develop a Master Plan for the Identification and Accommodation of Disadvantaged and Handicapped Students within the Virginia Community Colleges System Vocational Education Programs" (Virginia Department of Community Colleges System)

RESEARCH RELATED ACTIVITIES:

1. Review of continuation and new research projects

PROJECTS AND ACTIVITIES PLANNED:

1. Review of evaluation reports

2. Inservice meeting of project director for "An Evaluation System for Vocational Education in Virginia" and State staff

WASHINGTON

Ernest G. Kramer, State Director for Vocational Education

George P. Pilant, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Consortium Vocational-Educational Programs Film" (Leroy Fails)

2. "Pilot Project for Auto-Diesel Apprentice Programmed-Tutorial System" (Carl Devin)

3. "Interdistrict Vocational Guidance Program for Disadvantaged Children (1-8)" (David Hartl)

4. "A Study to Determine the Educational and Training Needs of Residents at the Washington Corrections Center" (Duane Carlton)

5. "An Application of Observational Learning Procedures to the Modification of Educational Plans and Vocational Aspirations of Potential High School Dropouts" (Gloria G. Harris)

6. "NEVAC Study Project" (Robert Morum)

7. "Inservice Workshop for Teachers of Youth with Special Needs" (William E. Daniels)

8. "A Planning Study for a Vocational Education Complex for Lake Washington School District" (Hunter Mock)

9. "Community College Program Evaluation Through Student Followup" (Charles W. Coddington)

10. "Mini-Units Common to Various Occupational Business Programs" (Anita I. Tyra)

11. "Vocational Guidance in the Elementary School" (William Cox)

12. "Occupational Education Mobile Information Center" (William Evans)

13. "Audio-Tutorial Minicourses of Anatomy and Physiology for Students in Health Occupations" (Stanley R. Patton)

14. "Information Retrieval system" (In-house)

15. "Management Training Program" (In-house)

16. "Industrial Arts Curriculum Comparisons" (Richard Matzen)

17. "Project GIVE" (Tom Straka)

18. "Vocational Orientation of High School Students to College Vocational Programs" (Joseph Werner)

19. "Student-Produced Vocational Film Production" (Lee Lowe)

20. "Continuation of the NEVAC (Northeast Vocational Advisory Committee) Study" (Robert Marum)

21. "Survival Training for Young Adults" (Bea Elder)

22. "Cooperative Research on Vocational Education and Professional Updating in Careers Education and Management Effectiveness" (Robert Marum)

23. "Curriculum Development of Communication Skills Courses" (Carlene H. McSpaden)

24. "Feasibility Study to Determine Need for Wildlife Conservation and Outdoor Recreation Programs" (George Fisher)

25. "Career Development/High School Completion Program for Adults" (Richard Falk)

26. "Compare Effectiveness of Two Different Patterns of Supervision of Student Teachers" (Jane Roberts)

27. "Operation Motivation: A Vocational-Technical Education Bridge to the 70's" (Harold Prairie)

28. "Lake Stevens VIEW Project" (Bob Larson)

29. "Vocational Environmental Horticulture Development Program" (Jim Jordan)

30. "Simulated Office Practice Program and Materials Development" (Jon V. Krug)

31. "Vocational Choice Assessment" (Roy Schmidt)

32. "Early Transfer of Secondary Academic Students to Postsecondary Vocational Programs" (John Wilson)

33. "Feasibility of School-Industry Cooperation" (Allen Hoffman)

34. "Program Development for Service and Repair of Recreational Equipment and Appliances" (Fred Huston)

35. "Work Incentives for Youth" (Felix Marcolin)

36. "The Pygmalion Project" (Robert Boyden)

37. "A Local District Planning Grant" (Tom Pickett)

38. "Centralized Book Depository" (George Lombardi)

39. "A Cooperative Inter-District Vocational Study" (Roger Morris)

40. "A Local District Planning Grant for Palouse School District" (Janet Evans)

41. "A Local District Planning Grant for Rosalia School District" (Janet Evans)

42. "Vocational Leadership Development Through National Interaction" (John Wilson)

43. "Occupational Awareness Programs: A Survey" (Richard Matzen)

RESEARCH RELATED ACTIVITIES:

1. Research proposal review, approval and funding

2. Attendance at conferences and seminars

3. Site visits to projects

4. Maintenance of information system

PROJECTS AND ACTIVITIES PLANNED:

1. Monitor research projects and prepare and distribute guidelines for fiscal 1972 research program

2. Project site visits

WEST VIRGINIA

Fred W. Eberle, State Director for Vocational Education

Glenn E. Smith, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Operation of educational information service center

2. Provided consultative services to local educational agencies

3. Conducted a five week research and development training program

PROJECTS AND ACTIVITIES PLANNED:

1. Initiate projects in State research and development priority areas

2. Monitor funded research and exemplary program projects

3. Initiate activities related to development of a State management information system for vocational education

WISCONSIN

Eugene Lehrmann, State Director for Vocational Education

Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. "Differentiated Staffing - Phase I" (VTAE District 12)

2. "Health Occupations Research Study" (Blackhawk Vocational-Technical School)

3. "Development of a Computer Based Simulated Accounting System" (Western Wisconsin Technical Institute)

4. "Determination of Justification to Offer Prep-Math for T & I Vocational Students" (Southwest Wisconsin Vocational-Technical School)

5. "Student and Staff Evaluation of the Quarter System" (Western Wisconsin Technical Institute)

6. "Effectiveness of Current Training Programs for the Vocationally Handicapped in Wisconsin" (Developmental Behavior Associates)

NEW PROJECTS FUNDED:

1. "Curriculum Evaluation of Secretarial Science Program" (Wisconsin State University)

2. "Agricultural and Home Economics Occupational Research Study" (Blackhawk Vocational-Technical School)

3. "Study of Vocational Assessment" (Division of Vocational Rehabilitation)

4. "Industrial Safety Education for Small Industries in Wisconsin" (Stout State University)

5. "The OVIS Survey in Student Recruitment" (Area VTAE District 17)

6. "Analysis of the Changes, Developments and Trends in the Mechanical Design Field" (North Central Technical Institute)

7. "A Proposed Research Design Model for Predicting Early Student Withdrawal from District 15" (North Central Technical Institute)

8. "Home Economist Assistant Study" (North Central Technical Institute)

9. "Vocational and Technical Education Programs Sponsored by the Private Sector in VTAE District 9" (Milwaukee Area Technical College)

10. "Population and Manpower Study for Districts 6,7,8 and 9" (Milwaukee Area Technical College)

11. "Survey of Marketing Students" (Milwaukee Area Technical College)

12. "Computer Augmented Accounting" (Milwaukee Area Technical College)

13. "Mini-grants to Teachers for Research and Development of Micro-Teaching Units" (Blackhawk Vocational-Technical School)

14. "Evaluation of Electronics Curriculum in Terms of Employer's Rating of Job Performance of Former Students" (VTAE District 10)

15. "Methods and Techniques of Curricula and Instruction Which Are Most Effective in Training and Placement of Persons with Special Needs" (Stout State University)

16. "Analysis of Skills Needed by Graduates of Associate Degree Insurance Major" (North Central Technical Institute)

17. "Assessment of Individualized Instruction Material Currently Used" (University of Wisconsin)

18. "Followup Study of Graduates and Employers from Selected Wisconsin Vocational Schools and Stout State University to Determine Satisfaction with the Occupational Preparation in Clothing Services" (Stout State University)

19. "Evaluation of Secondary School Mathematics Curriculums in District 15 as They Relate to the Math Background Requirements of Postsecondary Vocational-Technical Education Students" (North Central Technical Institute)

20. "Evaluative Study of Students in Developmental Math Course" (District One Technical Institute)

21. "District 17 Mini-Research Grants" (VTAE District 17)

RESEARCH RELATED ACTIVITIES:

1. Attendance at meetings and workshops

2. Developmental assistance for research projects

3. Information dissemination through a newsletter, an ERIC alert system, and filling of requests

4. Participation in 7-pilot State information system sponsored cooperatively with the VT-ERIC Clearinghouse at Ohio State University

5. Drafting of a State plan for professional development

6. Liaison with Wisconsin State Employment Service regarding employment opportunities, emerging occupations, and job projections

7. Identification of priority areas for research in FY 1971 and FY 1972

8. Conducted 2-week research practices seminar for district research and administrative staff

PROJECTS AND ACTIVITIES PLANNED: NONE

WYOMING

Bruce C. Perryman, State Director for Vocational Education

Fred P. Black, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "A Followup Study of Selected Junior College Business Teachers to Distributive Educational Backgrounds and Future Educational Requirements" (Jack Routson)

2. "Development of a Curriculum in Basic Communication Skills for the Educationally Disadvantaged or Special Interest Vocational Student" (Western Wyoming Community College)

RESEARCH RELATED ACTIVITIES:

1. Evaluated research proposals and cooperative education programs
2. Assisted in Behavioral Objectives Workshop for Exemplary Programs
3. Assisted in development of Wyoming Occupational Resource Kits
4. Assisted Exemplary Program for Career Orientation Curriculum Development
5. Assisted in Development of State Plan and wrote EPDA supplement
6. Provided research oriented programs to seven summer workshops and conferences

PROJECTS AND ACTIVITIES PLANNED:

1. Host and direct Western RCU Conference
2. Conduct VERIFY workshop for LEA administrators
3. Begin planning and data gathering for Annual Report
4. Cost-Benefit Analysis of Vocational Education in Wyoming
5. Status and professional development needs study of occupational education teachers in Wyoming

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